BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name Of Work :- Detailed Estimate for Providing and laying Aerial Bunched Cables/poles/panel boards to Palanahalli road in ward no 5

Budget Head .....

Division No..... Estimate No. ..... For Rs.= **800000.00**

Sl. No.	Description of Work	Qty.	Rate Rs. Ps.	Unit	Amount
1	Supplying of 1.1KV grade Aerial Bunched Cable Stranded & Compacted Aluminum Phase Conductor, and Stranded Messenger Conductor with all aluminum Alloy, Phase Conductor is insulated with XLPE Compound, insulated Messenger with specified IS-14255:1995 & confirming to GTP of GROUP-A.2 X 25 + 1 X 25 SQ.MM KPWD ELE SR 2014-15	1500	143.00	Per Mtr	214500.00
2	Stringing of 1.1kv LT Arial Bunched Cable, BESCOM SR	1500	10.30	Per	15450.00
3	Supplying and stringing of ACSR Conductor (6/2.59mm Al +1/2.59mm Steel).34/5.11 KPWD ELE SR 2014-15	2000	30.00	MTR	60000.00
4	1.1 KV Pin Insulator 34/5.9.1 KPWD ELE SR 2014-15	70	44.00	Nos	3080.00
5	No. 8 Strain Insulator 33/5.4.3 KPWD ELE SR 2014-15	20	14.00	Nos	280.00
6	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) THREE POLE 100Amps 25kA.26/5.14.1	52	4530.00	Each	235560.00
7	Supply and Installation / Fixing / Provision of Pole box with HRC Fuse / MCB provision and suitable connector / terminal for 3 Ph / 1 Ph connections with Loop-In & Loop-Out terminals for 10 Sqmm / 25 Sqmm 3.5 C Al/Ar / Cu/Ar Cable and branch out 2.5 Sqmm 2 core Al/Cu PVC Insulated cable, enclosed in a Thermoplastic, Polystyrene enclosure, which should be shock proof, safe, IP65(Weather Proof), rust proof, dust proof, water proof having Internally Embedded Gasket with provision for cable entry through IP65 Thermoplastic, polyamide glands and/or grommets.200mmx200mmx98mm	52	1917.00	Each	99684.00
8	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A.4 core 16 sqmm40/6.4.4	100	150.00	Mtrs	15000.00
9	Labour charges for laying of 1.1 KV class UG cable when supplied agency in existing trench Gl pipe / stoneware pipe / on wall /on pole as required. I. In existing trench/duct. 6 sqmm to 16 sqmm41/6.5.1	93	30.00	Mtrs	2790.00
10	Digging of trench of 0.6 m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc.,complete.41/6.6.1	60	76.00	Mtrs	4560.00
11	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multis and Copper conductor single core cable in open or consealed system of wiring.I Group A Materials.6 sqmm 6/2.3.3	40	70.00	Mtrs	2800.00

12 AR	Thiristor based single/ Three phase smart street light control and monitoring system Remotely control and and monitorable smart street light system by using web or mobile application .smart control system has hardware ruggedness over field issues like line cross, line short, lighting and any other irregularities in voltage. It has some features like 1.Remote lighting management.2.Precise lighting turnoff.3.Load ballancing.4.Load power regulation.5.Status tracking. It works on the basis of some of these features 1) Main Control Unit (Mother board) : Handles controlling , data handling and other communication process. 2) Communication unit: GSM/GPRS quad bandwith RS232 interface wireless communication unit 3) Gate Driver Unit: Firing angle controllable board for driving the thyristor 4) Switching Thyristor: SCR 110 AMPS dual thyristor modules for switching 5)Embedded Firmware: Firmware to control , handle , process the data and communicate it wirelessly.6) Metal Enclosure : IP66 weather prof metal enclosure. 7) transformers: Customized step down transformers for various purposes.8) Wiring and other device assembly components.	2	51500	No	103000.00
22	**GST 12% ON item no 6 to 12**				43247.28
23	Misleniuos				48.72
	Total Rs				800000.00

CERTIFICATE

1. The Place was inspected and work is essential
2. The Provision made in the estimate is adequate and are necessary.
3. The Work comes in the BBMP limit and is legitimate charges on the Corporation Funds.
4. The rates in the Estimate is based on AR/2019-20 / , BESCOM SR approved rates

Asst. Engineer (Elec)

Asst. Exe.Engineer (Elec)
Sub-Division No.
Bruhat Bangalore Mahanagara Palike

EXECUTIVE ENGINEER (ELEC)
YELAHANKA DIVISION
BRUHAT BANGALORE MAHANAGARA PALIKE

Administrative Sanction for Rs. 800000=00
RUPEES EIGHT LAKH ONLY
is accorded under D0287 M AND R TO ELECTRICAL CREMATORIA
Registered as 30/2019-20 Subject to conditions com
No. BBMP/EE(E)E/42/AS/30/2019-20
Dt 18-12-2019

Executive Engineer

TECHNICALLY SANCTIONED FOR Rs. 800000=00
Rupees EIGHT LAKH ONLY
Under D0287 M AND R TO ELECTRICAL CREMATORIA
Registered as 17/2019-20
Subject to
enclosed memo BBMP/EE(E)E/42/AS/30/19-20
Dt. 18-12-2019
BBMP/EE(E)E/42/TS/17/2019-20 Sanctioned
Dated 18-12-2019 Rs. 800000=00

Executive Engineer